BRUHATH BANGALORE MAHANAGARA PALIKE,
DASARAHALLI ZONE
Office of the Executive Engineer Dasarahalli Division

Mdified Schedule - B

NAME OF WORK: Improvements to roads and Drains in Ward No 13

Sl. No	Description of work	Unit	Qty	Approved rates	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.	Cum	1156.00	143.24	Rupees One Hundred Forty Three and Twenty Four Paise Only
2	Removing & Refixing stone slabs of drains and pointing in C.M (1:3)	Sqm	173.93	115.70	Rupees One Hundred Fifteen and Seventy Paise Only
3	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.	Cum	320.28	5726.95	Rupees Five Thousand Seven Hundred Twenty Six and Ninety Five Paise Only
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500,1700, 2200. including cost of materials, labour, HOM complete as per specifications.	Cum	85.12	7473.40	Rupees Seven Thousand Four Hundred Seventy Three and Forty Paise Only

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5	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification 28.8.2 -do- TMT Bars Fe 500	ton	6.09	75183.90	Rupees Seventy Five Thousand One Hundred Eighty Three and Ninety Paise Only
6	Providing and fixing Precast RCC Cover slabs of 100 mm thick for drain in Cement concret 1:1.5:3 Using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work lift charges Curing and concrete finishing surface on both sides etc;. and complete as per the directions of Engineer in Charge.	Sqm	230.72	1678.79	Rupees One Thousand Six Hundred Seventy Eight and Seventy Nine Paise Only
7	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications.MORTH / Chapter 3	Sqm	2137.02	99.17	Rupees Ninety Nine and Seventeen Paise Only
8	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202	Cum	55.53	990.58	Rupees Nine Hundred Ninety and Fifty Eight Paise Only
9	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications. MORTH I Chapter 3	Sqm	2608.00	6.61	Rupees Six and Sixty One Paise Only

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10	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406	Cum	462.75	2080.33	Rupees Two Thousand Eighty and Thirty Three Paise Only
11	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 Its conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). &= Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion,construction and longitudinal joints,including groove cutting charges, joint filler, soparation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. -do- with OPC at 360 kg/cum and coarse aggregate	Cum			
	Up to 125%	Cum	355.35	5565.50	Rupees Five Thousand Five Hundred Sixty Five and Fifty Paise Only
	Above 125%	Cum	37.25	5416.79	Rupees Five Thousand Four Hundred Sixteen and Seventy Nine Paise Only

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12	Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH - 100/ Chapter 1	Cum	1211.53	59.25	Rupees Fifty Nine and Twenty Five Paise Only
13	Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1	Cum	1211.53	26.61	Rupees Twenty Six and Sixty One Paise Only
EIR L 1	Providing and fixing Precast RCC Cover slabs of 250 mm thick for drain in Cement concret 1:1.5:3 Using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work lift charges Curing and concrete finishing surface on both sides etc;. and complete as per the directions of Engineer in Charge.	Sqm	47.07	5632.01	Rupees Five Thousand Six Hundred Thirty Two and One Paise Only
EIR L 2	Providing and applying primer coat with S.S.including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. Clause 502 of MORTH V revision	Sqm	1145.22	35.26	Rupees Thirty Five and Twenty Six Paise Only
EIR L 3	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading; premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and ialignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision	Cum	57.26	7580.87	Rupees Seven Thousand Five Hundred Eighty and Eighty Seven Paise Only
EIR L 4	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications. Clause 503 of MORTH V revision	Sqm	2532.58	13.22	Rupees Thirteen and Twenty Two Paise Only

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EIR L 5	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015.do - using 40-60 TPH capacity HMP with mechanical paver grading II(30-45mm) with 5.4 % of modified bituminous binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)	Cum	101.30	8882.17	Rupees Eight Thousand Eight Hundred Eighty Two and Seventeen Paise Only

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